

Claims

1. (original) Device for conveying bulk goods (4) having a bulk goods delivery apparatus and a bulk goods receiving apparatus, characterised by a measuring apparatus (7, 7a, 7b) arranged between the receiving apparatus and the delivery apparatus in order to determine the delivery rate.

2. (original) Device according to claim 1, characterised in that it has a first section (2a) comprising the delivery apparatus and, following said delivery apparatus in the conveying direction, a second section (2b) comprising the receiving apparatus.

3. (original) Device according to claim 1, characterised in that it has a supply container (21, 22) comprising the delivery apparatus.

4. (original) Device according to claim 3, characterised in that it has a mixing container comprising the receiving apparatus.

5. (original) Device according to claim 3, characterised in that the receiving apparatus is designed as a conveying apparatus (2b, 23).

6. (currently amended) Device according to ~~one of the claims 1 to 5~~ claim 1, characterised in that the measuring apparatus (7, 7a, 7b) has an inlet section linked to the delivery apparatus, an output section linked to the receiving apparatus and an intermediate conveyor (11) arranged between the two sections.

7. (currently amended) Device according to ~~one of the claims 1 to 6~~ claim 1, characterised in that the transfer of the bulk goods (4) from the delivery apparatus to the measuring apparatus (7, 7a, 7b) takes place under gravity.

8. (currently amended) Device according to ~~one of the claims 1 to 7~~ claim 1, characterised in that the transfer of the bulk goods from the measuring apparatus (7, 7a, 7b) into the receiving apparatus takes place by means of the intermediate conveyor (11) and along a gradient path (14).

9. (currently amended) Device according to ~~one of the claims 1 to 8~~ claim 1, characterised in that the measuring apparatus (7, 7a, 7b) contains a measuring element (17) for cooperation with the bulk goods (4) flowing through it.

10. (original) Device according to claim 9, characterised in that the measuring element (17) is a measuring wheel which can be induced to rotate by the bulk goods stream.

11. (original) Device according to claim 10, characterised in that the measuring wheel is set up to generate electrical pulses.

12. (currently amended) Device according to ~~one of the claims 9 to 11~~ claim 9, characterised in that the measuring element (17) is arranged between the intermediate conveyor (11) and the output section.

13. (currently amended) Device according to ~~one of the claims 1 to 12~~ claim 1, characterised in that it is designed as a continuous conveyor.

14. (original) Device according to claim 13, characterised in that it is designed as a chain conveyor.

15. (currently amended) Device according to ~~one of the claims 6 to 14~~ claim 6, characterised in that the intermediate conveyor (11) is designed as a screw conveyor.

16. (currently amended) Device according to ~~one of the claims 9 to 15~~ claim 9, characterised in that the intermediate conveyor (11) and the measuring element (17)

are arranged in a trough (12) provided with the inlet section and the output section.

17. (original) Device according to claim 16, characterised in that the gradient path comprises a base section of the trough (12), said base section being arranged inclined.

18. (currently amended) Device according to ~~one of the claims 1 to 17~~ claim 1, characterised in that it is linked to at least one dosing apparatus (5) having a discharge unit (6) and the discharge unit (6) is under the control of the measuring apparatus (7, 7a, 7b).

19. (original) Device according to claim 18, characterised in that the dosing apparatus (5) contains a dosing organ driven by the measuring wheel.

20. (original) Device according to claim 19, characterised in that an adjustable gearbox is connected between the measuring wheel and the dosing organ.

21. (currently amended) Device according to ~~one of the claims 18 to 20~~ claim 18, characterised in that the dosing apparatus (5) has an electrical control circuit for the discharge unit (6), said control circuit processing the electrical impulses.

22. (original) Dosing apparatus with a discharge unit for dosed feeding of additives into a bulk goods stream generated by means of a conveying device (1), characterised in that the discharge unit (6) is controlled by a measuring apparatus (7, 7a, 7b) measuring the delivery rate of the conveying device (1).

23. (currently amended) Dosing apparatus according to claim 22, characterised in that the conveying device (1) is designed according to ~~at least one of the claims 1 to 17~~ claim 1.

24. (currently amended) Dosing apparatus according to claim 22 ~~or 23~~, characterised in that it contains a dosing organ driven by the measuring wheel.

25. (original) Dosing apparatus according to claim 24, characterised in that an adjustable gearbox is arranged between the measuring wheel and the dosing organ.

26. (currently amended) Dosing apparatus according to claim 22 ~~or 23~~, characterised in that it has an electrical control circuit for the discharge unit, said control circuit processing the electrical impulses.

27. (currently amended) Mixing apparatus for bulk goods (4) having at least two conveying devices leading to a common receiving apparatus (23, 25) for feeding in different bulk goods, whereby each conveying device is designed according to ~~at least one of the claims 1 to 19~~
claim 1.